Identification_Information:
Citation:
Citation_Information:
Originator: U.S. Army Corps of Engineers, Jacksonville District(comp.)
Publication_Date: 20070403
Publication_Time: Unknown
Title: IWW J-M Martin County Cuts M-4 & 5, CrossRoads, OWW St Lucie River Cut-1 & 2
Edition: 07-039 FY07 Project Condition Survey
Geospatial_Data_Presentation_Form: map
Publication_Information:
Publication_Place: U.S Army Corps of Enginners Jacksonville District
Publisher: U.S. Army Corps of Engineers, Jacksonville District, Construction-Operations
Description:
Abstract:
Hydrographic survey data was collected at 100 foot station intervals along the centerline. Elevations are in feet and tenths and refer to Mean Low Water (MLW). which is -0.4' for OWW Cuts 1 & 2 & -0.7' for IWW Cuts M4 & M5 below NGVD29. All Elevations are below the chart datum unless preceded by a (+) sign. Tidal reductions were made from a staff set on DBN-7 and from benchmark "Snake" . Plane Coordinates are based on the Transverse Mercator Projection for the East Zone of Florida and referenced to North American Datum of 1927 (NAD27). All azimuths are grid, reckoned clockwise from South. All Stationing refers to the Centerline of the Channel. Survey was performed by using Differential GPS for positioning and utilizing the USCG Navbeacon System as the reference site. Vertical measurements were made using a Ross Smart Sounder Depth Recorder with a 200KHZ (High Frequency) Transducer. Vessel WB-34 date of survey 08 Mar 2007 Cut IWW M-4 & M-5 & OWW Cuts 1 & 2. Aids to Navigation were located during this survey. Survey accuracy preformance standards, quality control, and quality assurance requirements were followed during this survey in accordance with USACE EM 1119-2-1003, Hydrographic Surveying, 1 Jan 2002.
Purpose: Project Condition FY07
Supplemental_Information: This data set consists of 4 sheets at a scale of 1" = 100'.
Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 20070307
Range_of_Dates/Times:
Currentness_Reference: Ground Condition
Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -080.194299
East_Bounding_Coordinate: -080.179881

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                  North_Bounding_Coordinate: +27.177462
                  South_Bounding_Coordinate: +27.166434
      Keywords:
            Theme:
                  Theme_Keyword_Thesaurus: Tri - Service Spatial Data Standard
                  Theme_Keyword: Hydrography
            Place:
                  Place_Keyword_Thesaurus: Geographic Names Information System
                  Place_Keyword: Florida
                  Place_Keyword: Martin County
                  Place_Keyword: IWW
                  Place_Keyword: OWW
                  Place_Keyword: CrossRoads
      Access_Constraints: None
      Use_Constraints:
            The data represents the results of data
            collection/processing for a specific U.S. Army Corps of
            Engineers activity and indicates the general existing
            conditions.  As such, it is only valid for its intended use,
            content, time, and accuracy specifications.  The user is
            responsible for the results of any application of the data for
            other than its intended purpose.
      Point_of_Contact:
            Contact_Information:
                  Contact_Organization_Primary:
                        Contact_Organization: U.S. Army Corps of Engineer
Jacksonville District, Construction-Operation Division
                        Contact_Person: Brain K. Brodehl
                  Contact_Position: Chief, Hydrographic Survey Section
                  Contact_Address:
                        Address_Type: mailing address
                        Address:
                              U. S. Army Corps of Engineers,
                              Jacksonville District CO-OH
                              701 San Marco Blvd
                        City: Jacksonville
                        State_or_Province: Florida
                        Postal_Code: 32207-8175
                        Country: USA
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                  Contact_Facsimile_Telephone: 904-232-3696
                  Contact_Electronic_Mail_Address:
brian.k.brodehl@saj02.usace.army.mil
                  Hours_of_Service: Any Time
      Data_Set_Credit:
            U.S. Army Corps of Engineers, Jacksonville District,
            Construction-Operation Division, Operation Branch,
            Hydrographic Survey Section
      Security_Information:
            Security_Handling_Description: n/a
            Security_Classification: Other
            Security_Classification_System: n/a
      Native_Data_Set_Environment:
            Data collection and editing using Coastal Oceanagraphics
            Hypack Software and Mapped using Bently Microstation.
Spatial_Data_Organization_Information:
      Direct_Spatial_Reference_Method: Point
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Spatial_Reference_Information:
      Horizontal_Coordinate_System_Definition:
            Planar:
                  Grid_Coordinate_System:
                        Grid_Coordinate_System_Name: State Plane Coordinate
System 1927
                        State_Plane_Coordinate_System:
                              SPCS_Zone_Identifier: 0901
                              Transverse_Mercator:
                                    Scale_Factor_at_Central_Meridian:
0.9999411765
                                    Longitude_of_Central_Meridian: -081.000000
                                    Latitude_of_Projection_Origin: +24.200000
                                    False_Easting: 152400.3048 m
                                    False_Northing: 0 M
                  Planar_Coordinate_Information:
                        Planar_Coordinate_Encoding_Method: coordinate pair
                        Coordinate_Representation:
                              Abscissa_Resolution: 0.01
                              Ordinate_Resolution: 0.01
                        Planar_Distance_Units: Survey Feet
            Geodetic_Model:
                  Horizontal_Datum_Name: North American Datum of 1927
                  Ellipsoid_Name: Clarke 1866
                  Semi-major_Axis: 6378206.4m
                  Denominator_of_Flattening_Ratio: 1/294.98
      Vertical_Coordinate_System_Definition:
            Altitude_System_Definition:
                  Altitude_Datum_Name: National Geodetic Vertical Datum of 1929
                  Altitude_Resolution: 0.0
                  Altitude_Distance_Units: Feet
                  Altitude_Encoding_Method: Explicit elevation coordinate
included with horizontal coordinates
            Depth_System_Definition:
                  Depth_Datum_Name: NGVD 1929 with Mean Low Water Datums applied
                  Depth_Resolution: 0.1
                  Depth_Distance_Units: Feet
                  Depth_Encoding_Method: Explicit depth coordinate included with
horizontal coordinates
Distribution_Information:
      Distributor:
            Contact_Information:
                  Contact_Organization_Primary:
                        Contact_Organization: U.S. Army Corps of Engineers
Jacksonville District, Construction-Operation Division
                        Contact_Person: Brian K. Brodehl
                  Contact_Position: Chief, Hydrographic Survey Section
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                        Address:
                              U.S. Corps of Engineers,
                              Jacksonville District CO-OH
                              701 San Marco Blvd
                        City: Jacksonville
                        State_or_Province: Florida
                        Postal_Code: 32207-8175
                        Country: USA
```

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                  Hours_of_Service: Any Time
                  Contact_Instructions: n/a
      Resource_Description: Survey 07-039
      Distribution_Liability:
            The data represents the results of data
            collection/processing for a specific U.S. Army Corps of
            Engineers activity and indicates the general existing
            conditions.  As such, it is only valid for its intended use,
            content, time, and accuracy specifications.  The user is
            responsible for the results of any application of the data for
            other than its intended purpose.
      Standard_Order_Process:
            Digital_Form:
                  Digital_Transfer_Information:
                        Format_Name: DGN
                        File_Decompression_Technique: No compression applied
                  Digital_Transfer_Option:
                        Online_Option:
                              Computer_Contact_Information:
                                    Network_Address:
                                          Network_Resource_Name:
www.saj.usace.army.mil/hydroSurvey/hydro.htm
                              Access_Instructions:
www.saj.usace.army.mil/hydroSurvey/hydro.htm
            Fees: N/A
Metadata_Reference_Information:
      Metadata_Date: 20070406
      Metadata_Review_Date: 20070406
      Metadata_Contact:
            Contact_Information:
                  Contact_Organization_Primary:
                        Contact_Organization: U.S. Army Corps of Engineer
Jacksonville District, Construction-Operation Division
                        Contact_Person: Brian K. Brodehl
                  Contact_Position: Chief, Hydrographic Survey Section
                  Contact_Address:
                        Address_Type: mailing address
                        Address:
                              U.S. Army Corps of Engineers,
                              Jacksonville District CO-OH
                              701 San Marco Blvd
                        City: Jacksonville
                        State_or_Province: Florida
                        Postal_Code: 32207-8175
                        Country: USA
                  Contact_Voice_Telephone: 904-232-3600
                  Contact_Facsimile_Telephone: 904-232-3696
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                  Hours_of_Service: Any Time
                  Contact_Instructions: n/a
      Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial
Metadata
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Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: Local time
Metadata_Access_Constraints: None
Metadata_Use_Constraints:
The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.
Metadata_Security_Information:
Metadata_Security_Handling_Description: n/a
Metadata_Security_Classification: Unclassified
Metadata_Security_Classification_System: n/a